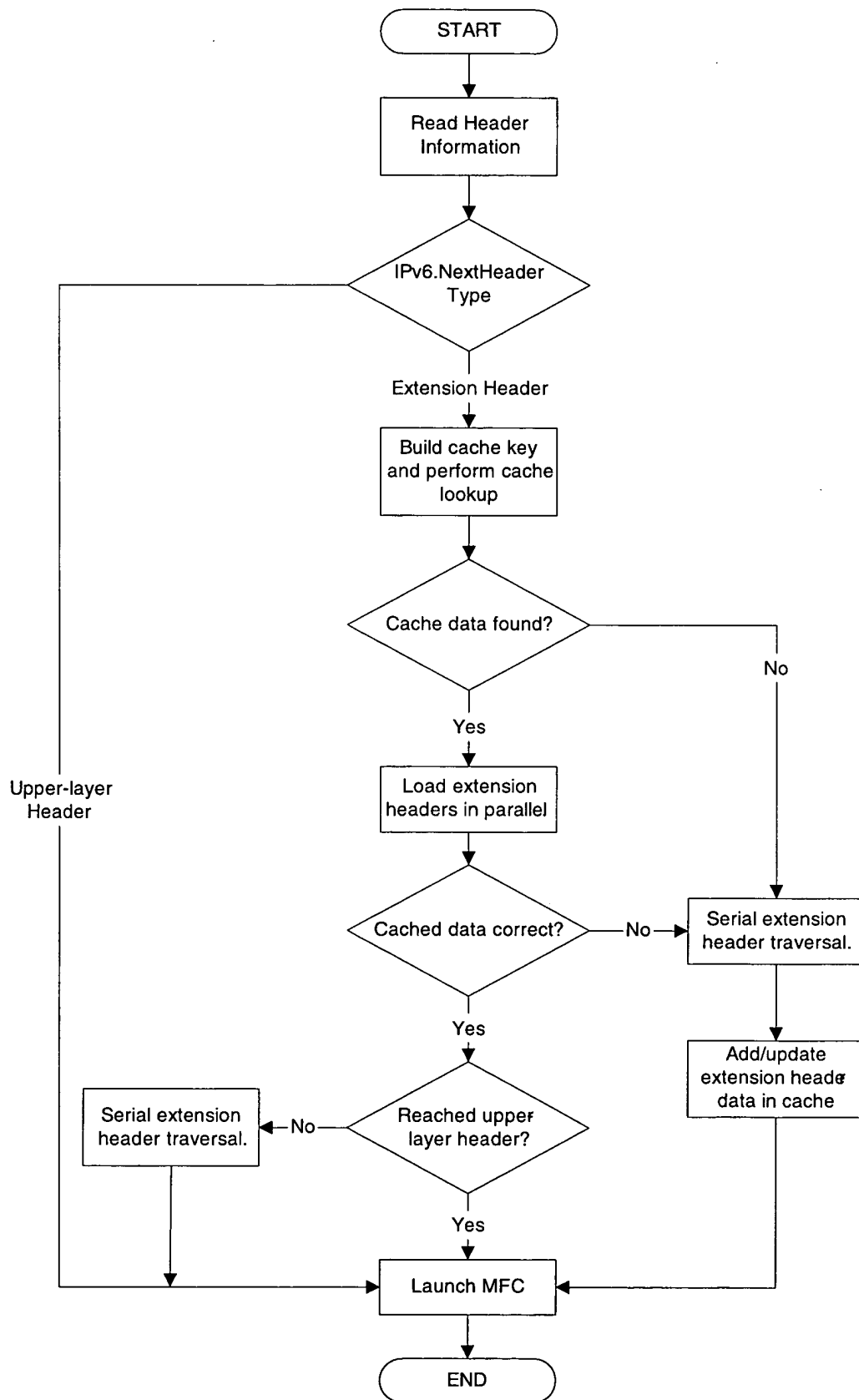


**Figure 1 - IPv6 Header**



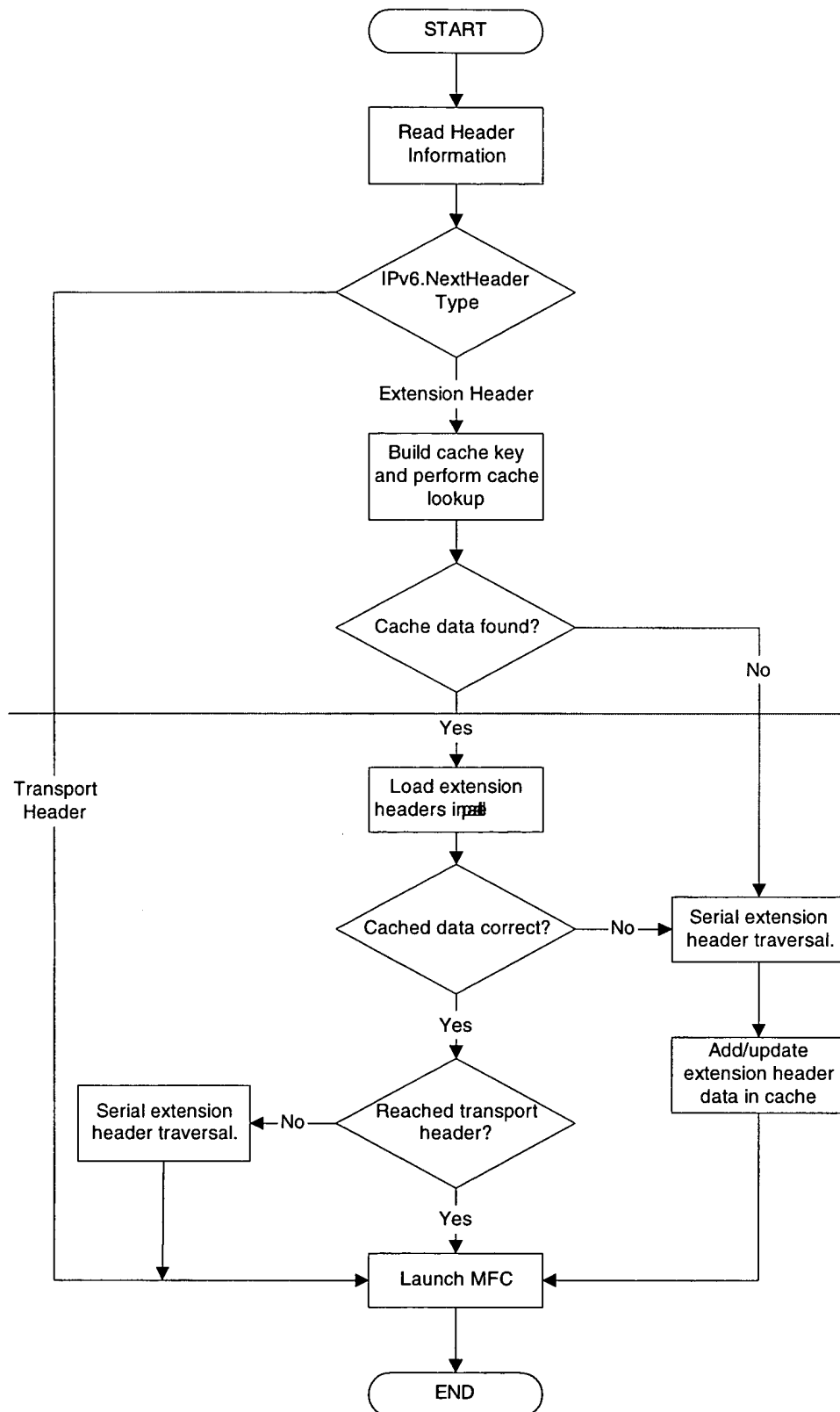
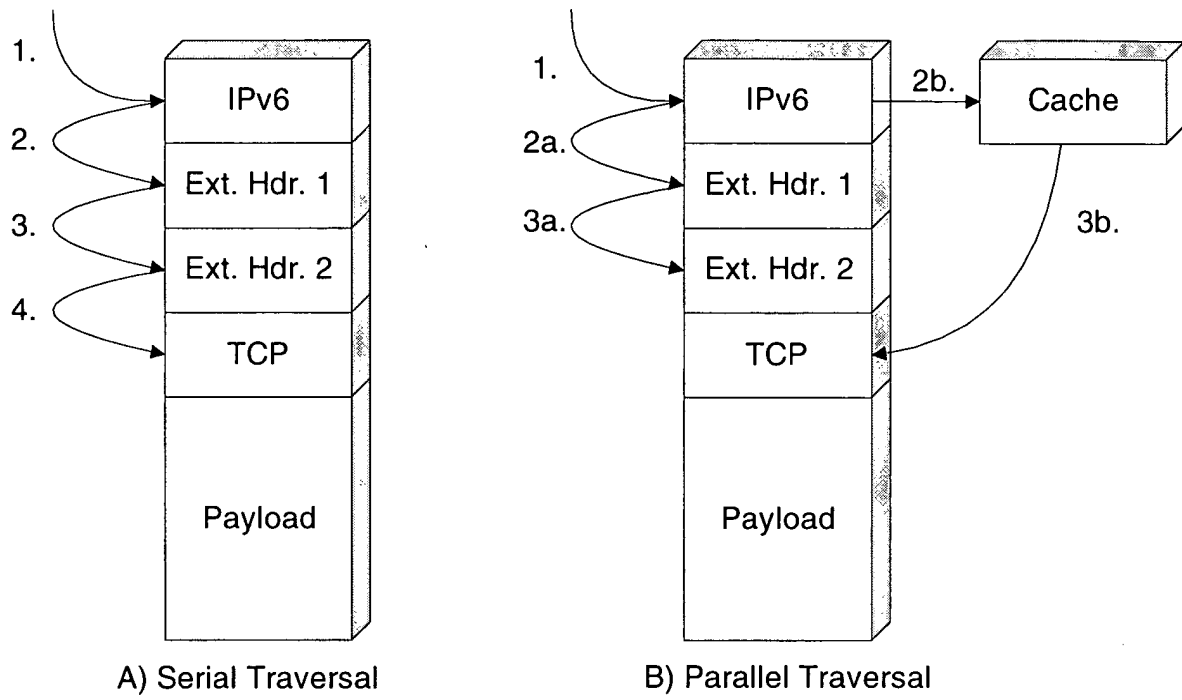
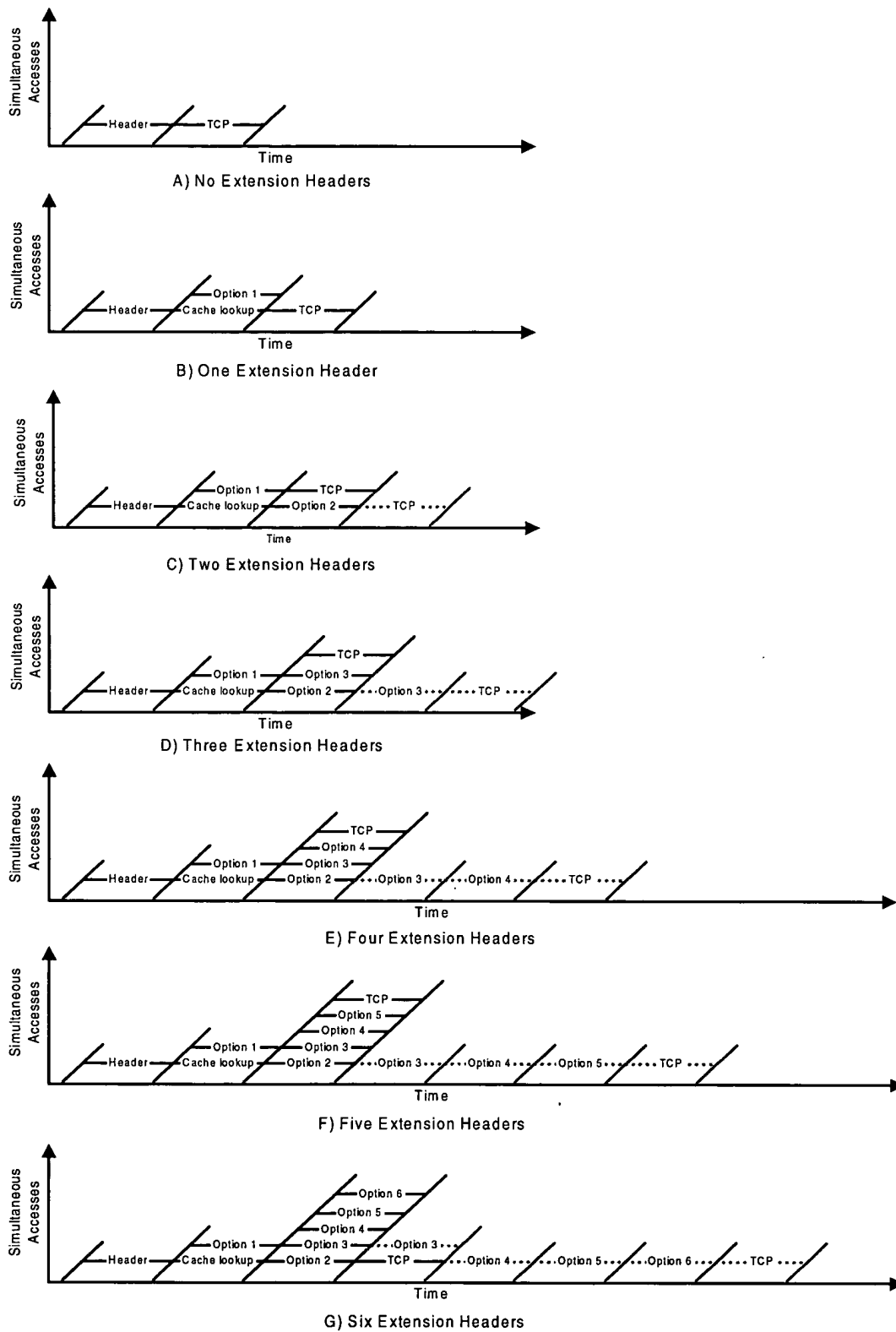


Figure 2 - Processing Flow Chart



**Figure 3 - Comparison of Memory Accesses**



**Figure 4 – Timeline of Extension Header Lookups Using Cache**